

INTERNATIONAL SEARCH REPORT

PCT/IB 03/06174

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B7/005 H04Q7/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 236 840 B1 (AIHARA YUKICHI ET AL) 22 May 2001 (2001-05-22) column 1, line 13 - line 18 column 1, line 46 - line 67 figures 1,4	1-16
X	EP 0 645 899 A (HITACHI LTD ;HITACHI TOBU SEMICONDUCTOR LTD (JP)) 29 March 1995 (1995-03-29) column 9, line 22 -column 10, line 7 figure 1	17,18

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Further documents are listed in the continuation of box C.

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Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

14 April 2004

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27/04/2004

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6236840	B1	22-05-2001	JP	10173547 A	26-06-1998
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			CN	1109664 A	04-10-1995
			EP	0645899 A2	29-03-1995
			US	5574993 A	12-11-1996